3. (Twice Amended) A superconducting ceramic according to claim
1 of the general formula $(A_{1-x}B_x)_yCu_zO_w \cdot (A_{1-x'}B'_{x'})_{y'}Cu_{z'}O_{w'}$

in which $0.1 \le x < 1$

$0.1 \le x' < 1$

$y = [2.0\text{-}4.0]$ 2.5-3.5,

$y' = [2.0\text{-}4.0]$ 2.5-3.5,

$z = [1.0\text{-}4.0]$ 1.5-3.5,

$z' = [1.0\text{-}4.0]$ 1.5-3.5,

$w = [4.0\text{-}10.0]$ 6.0-8.0,

$w' = [4.0\text{-}10.0]$ 6.0-8.0,

A is one or more rare earth elements and

B and B' are two or more alkaline earth elements.

12. (Amended) A superconducting ceramic according to claim 1,
of the general formula $(A_{1-x}(B_{1-q}B'_q)_x)_yCu_zO_w$

in which $0.1 \le x < 1$

$0 < q < 1$

$y = [2.0\text{-}4.0]$ 2.5-3.5,

$z = [1.0\text{-}4.0]$ 1.5-3.5,

$w = [1.0\text{-}4.0]$ 6.0-8.0,

A is a rare earth element and

B and B' are different alkaline earth elements.

14. (Amended) A superconducting ceramic according to claim 1,
of the general formula $((A_{1-p}A'_p)_{1-x}(B_{1-q}B'_q)_x)_yCu_zO_w$

$0 < p < 1$,

$0 < q < 1$,

$y = [2.0\text{-}4.0]\ \underline{2.5\text{-}3.5}$,

$z = [1.0\text{-}4.0]\ \underline{1.5\text{-}3.5}$,

$w = [4.0\text{-}10.0]\ \underline{6.0\text{-}8.0}$,

A and A' are different rare earth elements and

B and B' are different alkaline earth elements.

Claims 18 and 19, line 1, change "17" to --16--.

Claim 20, line 2, delete "any one of claims 1 to 19" and insert --claim 16--.

REMARKS

The Examiner's action of December 23, 1992 was received and carefully reviewed. Initially, Applicant acknowledges with appreciation the Examiner's withdrawal of the art rejections over Politis et al. and the formalistic rejection of the claims under 35 U.S.C. §112, first paragraph. Further, Applicant acknowledges the Examiner's indication that claims 1 and 16 are considered allowable over the cited art of record, and that claims 4-11, 13 and 15 are designated as allowable if rewritten to include the limitations of the base claim and any intervening claim. Claims 3, 12, 14 and 18-21 are rejected under 35 U.S.C. §112, second paragraph, for being indefinite. Claims 3, 12, 14 and 18-20 are amended to overcome this rejection and claims 4 and 13 are cancelled without prejudice. Consequently, claims 1, 3, 5-12, 14-16 and 18-21 are currently pending in the instant application.